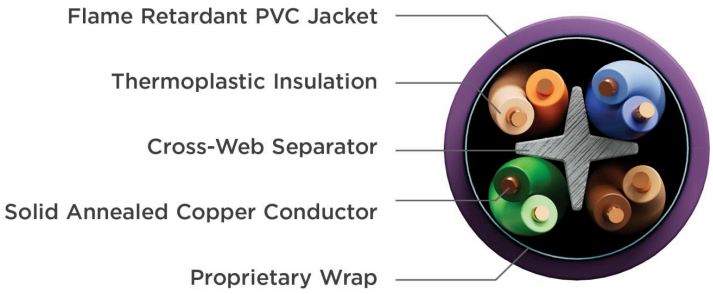
Premises Copper > Category 6A > UTP > Indoor > 4 Pairs > 23 AWG

10Gain® / Category 6A / Indoor / 4 Pairs / 23 AWG / CMP / Purple / 1K FT Reel

CMP

Part Number: 6A-272-7B
Status: Available



GENERAL SPECIFICATIONS

Jacket	Flame retardant, low smoke PVC
Jacket Color	Purple
End User Application	Enterprise, Residential, LAN, Datacenter
Environment	Indoor
Standards Compliance	UL 444 CSA C22.2 No.214-08 UL 1666 ANSI/TIA-568.2-D Article 800, NEC (NFPA 70)
NRTL Programs	UL Verified CAT 6A UL Listed CMP-LP (0.5) c(UL) Listed CMP

COPPER SPECIFICATIONS

Pairs	4
Conductor	Solid annealed copper
Conductor Count	8
AWG (mm)	23 (0.57)
Insulation	FEP
Insulation Colors	Color Tip®: Light Blue/Blue, Light Orange/Orange, Light Green/Green, Light Brown/Brown

COPPER SPECIFICATIONS

Separator	Cross-Web
Core Wrap	Proprietary construction
Characteristic Impedence (Ohms)	100 ± 15
Nominal Velocity of Propogation (%)	71

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.275 (6.99)
Nominal Weight lbs/kft (kg/km)	34 (50)
Pallet Quantity (ft)	20000
Package Length	1000
Package Type	Reel
Packages per Pallet	20

Product Description

This CAT 6A cable meets or exceeds all industry requirements including ANSI/TIA-568.2-D. The cable utilizes a proprietary core wrap which assures excellent alien crosstalk performance. This cable fully complies with UL 444 requirements for an unshielded twisted pair product.

Applications

- 10BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE) - IEEE 802.3bt Type 1 to 4
- ATM and token ring
- Backward compatible to legacy protocols and applications
- HDBaseT Class A and B

Features	Benefits
UL Certified Environmental Product Declaration (EPD)	Contributes toward 1 LEED point under the Material and Resources credit (MRc)
Health Product Declaration™ (HPD™)	Contributes toward 1 LEED point under the MRc
Multi-Attribute Certification by GreenCircle Certified, LLC	Offers an overview of the sustainability of a product, its packaging and manufacturing
Guaranteed 1 dB AXT margin	Guaranteed AXT performance in virtually any installation environment
UL Verified CAT 6A	Assures consistent, worry-free performance
Tested to 650 MHz	Assures ample bandwidth headroom

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- Nominal 0.285 (CMR) inch diameter
- Proprietary core wrap
- CableID® alpha numeric code printed every 2 feet
- QuickCount® marking system in feet and meters
- ColorTip® circuit identification system
- Higher cable density, smaller bend radius and lowers installation costs
- Provides substantially more AXT protection without grounding or bonding
- Allows both ends of a cable run to be easily identifiable without the need to separately label or tone the cable
- Provides remaining length of cable on reel
- Easily identifiable conductor mates even in low-light environments

Technical Guideline

SUSTAINABILITY CERTIFICATIONS

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